



TOM TINDALL  
Director

## County of Los Angeles INTERNAL SERVICES DEPARTMENT

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*"To enrich lives through effective and caring service"*

March 1, 2012

To: Each Supervisor

From: Tom Tindall  
Director

Subject: **ANNUAL CLEAN FUELS REPORT**

The Board of Supervisor's "Clean Fuels" policy was adopted on January 10, 1995. The policy requires that by March 1 of each year, departments report on the composition of their fleet and their progress toward acquiring clean fuel vehicles.

The attachment provides the Internal Services Department's (ISD's) report for calendar year 2011, which includes data on all of the County departments and vehicles for which ISD provides automotive services. County departments that maintain their own vehicles (Sheriff, Public Works, and Fire) will report separately.

The ISD-maintained motor vehicle fleet includes 3,718 vehicles, of which 612 (16%) are alternative fuel vehicles (AFVs). Passenger vehicles in the ISD-maintained fleet total 1,367, of which 441 (32%) are AFVs.

The attachment also indicates that County departments have purchased a variety of AFVs, including hybrid, electric, natural gas, bi-fuel, flex-fuel and propane. Also reflected is information captured to date on certified low emission vehicles (LEV's) and ultra-low emission vehicles (ULEV's) as defined by the California Air Resources Board (CARB).

### **Hybrid Vehicles**

ISD continues to assist County departments with the acquisition of hybrid and AFVs in support of the County's Clean Fuels policy. The following actions were taken during this reporting period:

- County departments purchased 38 additional hybrid sedans in calendar year 2011.
- The Vehicle Purchasing Services Program has continued to expand. This program, approved by your Board in February 2008, provides employee



## Honorable Board of Supervisors

March 1, 2012

Page 2

incentives to lessen the environmental impact of commuting, and allows County employees to purchase or lease alternative fuel vehicles at discounted pricing established via agreement with participating automotive dealerships. We have eleven participating automotive dealerships. County employees used this program to purchase 40 hybrid vehicles during 2011, bringing the total number of hybrid vehicles purchased by County employees under this program to 348.

The following reflects the countywide impact of the Board amendment the Clean Fuels Policy in December 2005 to make the hybrid-electric vehicle (or other alternative fueled or electric vehicles) the standard for County operations effective July 2006. The countywide data is cumulative through December 31, 2011.

	Results from Hybrids	Results from CNG and LPG*	Combined Results
Gallons of Petroleum Fuel Avoided	475,693	1,040,715	1,516,408

\*CNG – Compressed Natural Gas; LPG- Liquid Propane Gas

### **Regulations for Diesel Vehicles/Equipment**

The County operates approximately 700 diesel vehicles impacted by the CARB Public Fleet rule (January 5, 2007, regulations). County departments that operate vehicles impacted by the regulations include Public Works, Fire, Sheriff, Health Services, Parks & Recreation, Beaches & Harbors, Probation, Registrar-Recorder, Agricultural Commissioner, Coroner, Public Social Services, Museum of Natural History, Public Library, and ISD.

ISD has worked closely with County departments to successfully meet all CARB compliance requirements for affected ISD-maintained fleet vehicles within the required deadline for calendar year 2011. Beginning in calendar year 2012, each responsible department with documented low usage diesel vehicles will undergo annual re-certification of low usage exemption with complete documentation.

### **Clean Alternate Fuel Vehicle Initiatives**

In support of the California greenhouse gas emission reduction target of 80 percent below 1990 levels by 2050, ISD continues to explore AFVs, pilot new technologies, educate County departments, and recommend/amend the Clean Fuels Program Policy or Vehicle Policy as necessary. In this regard, County initiatives in 2011 included:



## Honorable Board of Supervisors

March 1, 2012

Page 3

- The County Vehicle Policy was implemented in August 2011 by the Chief Executive office. This policy provides County-wide standards and a model for departments to utilize in creating department-specific policies for managing County vehicles.
- ISD has continued as an active partner in the Southern California Regional Plug-In Electric Vehicle Plan group, which is a regional collaborative among local and regional government agencies, utilities, and universities in Southern California. Group members are actively engaged in supporting and building the necessary infrastructure for the wider commercial availability of electric vehicles.
  - A 2010 California Energy Commission (CEC) grant application included 23 partners across six counties (from Santa Barbara to Orange) to jointly apply for a \$3.2 million grant. In January 2011, the CEC announced a partial award of \$840,750 to the group.
  - In 2011, ISD developed and issued an electric vehicle charging unit and support services solicitation to provide a multi-tiered purchasing agreement for use by County and other agencies. With completion of the agreement in late February 2012, the South Coast Air Quality Management District (SCAQMD) will be able to determine grant shares for agencies participating in the grant, including the County, by spring 2012.
- ISD obtained two all-electric Nissan Leafs and two hybrid electric-gas Chevrolet Volts in 2011 to provide test trials in County operations. Preliminary feedback has indicated a limited range of the all-electric vehicle, which has raised concerns for wider operational use and cost effectiveness.
- ISD has been working with BYD for short-term demonstration use and testing of the new E6 extended-range, all-electric vehicle in County operations. Testing is anticipated to begin in late March 2012.
- ISD is working with General Motors to set up a short-term demonstration use of a hydrogen fueled Chevrolet Equinox in ISD Mail Services. A new hydrogen fueling site at California State University, Los Angeles is anticipated to be open in the spring of 2012 to coincide with this demonstration in County operations.

### **ISD Fuel Facilities - Regulation Compliance**

ISD operates three fuel facilities, which support daily fueling for all County vehicles and County emergency preparedness. Fuel facilities are regulated by the CARB, the California Water Board, and the SCAQMD to ensure fuel sites meet equipment standards and control emissions.



## Honorable Board of Supervisors

March 1, 2012

Page 4

ISD fuel facilities are in full compliance with all regulations including the SCAQMD's Enhanced Vapor Recovery (EVR) Phase I (fuel storage) and Phase II (refueling vehicles) which was required for all gasoline dispensing facilities by April 1, 2009. An exemption is on file for the Mall Garage until April 1, 2012, because the equipment required had not previously been approved for fuel facilities which utilize liquid condensate traps with underground fuel dispensing. However, the equipment has now been identified and is currently being installed at the Mall Garage. The fuel site at the Mall Garage is anticipated to be open in March 2012.

### **Fleet Reviews**

ISD implemented Vehicle Fleet Review meetings with customer departments, which include a review of the departments' vehicle utilization, preventative maintenance standards and status, specialized vehicle service needs (as applicable), cost review, M4 Fleet system information availability and uses, and recommendations for consideration. For example, low usage vehicles (under 5,000 miles annually), excess usage (over 20,000 miles annually), and vehicle replacement considerations including right sizing the vehicle fleet are examined.

ISD has reduced its vehicle fleet by 172 vehicles since January 2010. Some vehicles (84 as of January 2012) have been transferred to other County departments in order to replace very old or high mileage units. Both vehicle emissions and fuel economy are typically improved with these transfer/replacements.

Additionally, ISD management and staff continue to work with County departments and other government agencies on environmental vehicle initiatives, County fuel systems and infrastructure, and attend workshops to gain more applied knowledge on greening our fleet.

If you have any questions, please contact me at (323) 267-2101, or your staff may contact Joe Sandoval of ISD's Purchasing and Contract Services at (323) 267-2109.

TT:JS:MN:lc

Attachment

- c: ISD Board Deputies
- Chief Executive Office (Fujioka, Sandt)
- Department Heads
- Administrative Deputies
- Vehicle Coordinators



**ATTACHMENT I**  
**Report by Fuel Type**

Attachment I

Count BY FUEL TYPE		ALTERNATE FUEL VEHICLES (AFV)												
DEPARTMENT	GAS	DIESEL	CNG/ GAS	CNG	ETHANOL/ GAS	HYBRID ELECTRIC/ GAS	METHANOL/ GAS	PROPANE	PROPANE/ GAS	ELECTRIC	Grand Total	TOTAL AFV	Emission Certifications*	AFV as % of TOTAL
AG COMM/WTS & MSRS	308	12			3	2					325	5	161	1.54%
ALTERNATE PUBLIC DEFENDER	3					1					4	1	2	25.00%
ANIMAL CON TROL	65			1	16	4					86	21	-	24.42%
ASSESSOR	6					1					7	1	4	14.29%
AUDITOR-CONTROLLER	2					2					4	2	2	50.00%
BEACHES AND HARBORS	103	9				2					114	2	38	1.75%
BOARD OF SUPERVISORS	40				2	36					78	38	55	48.72%
CEO	10	1			3	4					18	7	16	38.89%
CHILD SUPPORT SERVICES DEPT.	8										8	-	5	0.00%
COMMUNITY & SR. SVCS.	37				5	5					47	10	48	21.28%
COUNTY DEPT. OF HUMAN RESOURCES	1										1	-	1	0.00%
DEPT. OF CHILDREN/FAMILY SVCS.	72				5						77	5	29	6.49%
DHS	274	43		14	7	1					339	22	81	6.49%
DISTRICT ATTORNEY	263			1	47	5					316	53	213	16.77%
DPSS	18					1					19	1	-	5.26%
ISD	559	11	1	11	77	32	2		1	2	696	124	634	17.82%
MEDICAL EXAMINER-CORONER	33	3			15	1					52	16	27	30.77%
MENTAL HEALTH SERVICES	148				8	96					252	104	146	41.27%
MILITARY & VETERAN AFFAIRS	1										1	-	1	0.00%
MUSEUM OF NATURAL HISTORY	13	2									15	-	2	0.00%
PARKS AND RECREATION	539	12	3	1	6	19		2			582	31	318	5.33%
PROBATION	292	3			49	56					400	105	276	26.25%
PUBLIC DEFENDER	6										6	-	3	0.00%
PUBLIC HEALTH	94	2		2	5	38	1				142	46	-	32.39%
PUBLIC LIBRARY	52	2	1	2	4	1					62	8	31	12.90%
REGIONAL PLANNING	1					3					4	3	2	75.00%
REGISTRAR RECORDER/COUNTY CLERK	45	3				7					55	7	33	12.73%
TREASURER/TAX COLLECTOR	8										8	-	3	0.00%
Grand Total	3,001	103	5	32	252	317	3	2	1	2	3,718	612	2,128	16.46%